

Title (en)
PUZZLE.

Title (de)
PUZZLE.

Title (fr)
PUZZLE.

Publication
EP 0597906 A4 19940324 (EN)

Application
EP 92916014 A 19920406

Priority
• US 9202754 W 19920406
• US 74015591 A 19910805

Abstract (en)
[origin: US5116053A] A self-contained puzzle includes an axially extending tube with first and second end caps mounted on opposite ends. A plurality of gears are concentrically and rotatably mounted about the tube between the first and second end caps. Slide support elements on each of the gears form channels therebetween which slidably receive a slide element which is manipulatable from a channel in one gear to an aligned, empty channel in an adjacent gear. The exterior surfaces of the slide elements form a mosaic when assembled and contain indicia forming a puzzle or design. Releasable lock members are unitarily formed on one of the tube or each gear and releasably engage axially extending grooves formed in the other of the tube and each gear to temporarily lock each gear in a selected angular position about the tube relative to adjacent gears.

IPC 1-7
A63F 9/08

IPC 8 full level
A63F 9/08 (2006.01); **A63F 9/00** (2006.01)

CPC (source: EP US)
A63F 9/0811 (2013.01 - EP US); **A63F 9/083** (2013.01 - EP US); **A63F 2009/0012** (2013.01 - EP US); **A63F 2009/0815** (2013.01 - EP US)

Citation (search report)
• [Y] DE 3227117 A1 19840126 - HOFGARTNER ERWIN
• [Y] EP 0333428 A1 19890920 - MCLEISH ALEXANDER OGILVIE
• [A] GB 2107997 A 19830511 - KEUN WHA INC
• [A] WO 8200101 A1 19820121 - GENERALIMPEX MAGYAR KULKERESKE [HU], et al
• See references of WO 9302759A1

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
US 5116053 A 19920526; CA 2114733 A1 19930218; CA 2114733 C 19950613; DE 69214954 D1 19961205; DE 69214954 T2 19970403; EP 0597906 A1 19940525; EP 0597906 A4 19940324; EP 0597906 B1 19961030; MX 9202551 A 19930201; WO 9302759 A1 19930218

DOCDB simple family (application)
US 74015591 A 19910805; CA 2114733 A 19920406; DE 69214954 T 19920406; EP 92916014 A 19920406; MX 9202551 A 19920529; US 9202754 W 19920406